AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A computer system for dynamically generating a user interface comprising:

    a memory configured to store a UI view definition for the user interface; and

    a processor configured to execute a UI view manager, wherein the UI view manager comprises functionality to dynamically generate, at run-time, the user interface from the UI view definition, wherein the UI view definition specifies a layout of a plurality of panels in the user interface,

    wherein the UI view manager instantiates, as part of the user interface, [[a]] the plurality of panels comprising a wrapped control,

    wherein each of the plurality of panels comprises a wrapped control,

    wherein [[the]] each wrapped control comprises a control and a wrapper,

    wherein [[the]] each wrapper provides an interface between the control and the UI view manager,

    wherein the UI view manager is configured to send a message to the control,

    wherein the control is configured to receive the message,

    wherein [[the]] each control [[is]] comprises an application,

    wherein each application generates a graphical output; and

    wherein the output of [[the]] each control is displayed, using the UI view manager, in the one of the plurality of panels in which the control is located.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) The computer system of claim 1 wherein the UI view manager is operable to dynamically change at run-time a function of <u>at least one of</u> the wrapped control<u>s</u>.

7. (Previously Presented) The computer system of claim 1 further comprising: a UI container, wherein the user interface is provided within an environment provided by the UI container.

8. (Cancelled)

9. (Currently Amended) The computer system of claim 1 wherein the UI view manager instantiates <u>at least one of</u> the wrapped control<u>s</u> as part of the user interface by: providing functionality of the <u>at least one</u> wrapped control to be performed in response to activating a user interface element of the <u>at least one</u> wrapped control in the user interface.

10. (Cancelled)

11. (Currently Amended) The computer system of claim 1 wherein the UI view manager ~~contains~~ <u>comprises</u> an implementation of a UI view interface and <u>at least one of</u> the wrapped control<u>s</u> invokes a function of the UI view interface implementation of the UI view interface to communicate with the UI view manager.

12. (Previously Presented) The computer system of claim 1 wherein the UI view manager is operable to dynamically at run-time generate the user interface in response to a change to the UI view definition.

13. (Currently Amended) The computer system of claim 1 further comprising: a user interface designer for providing [[a]] <u>the</u> UI view definition.

14. (Previously Presented) The computer system of claim 1 wherein the UI view definition corresponds to an XML file.

15. (Previously Presented) The computer system of claim 1 wherein the UI view definition comprises a control definition for the wrapped control, wherein the control definition specifies a user interface element of the wrapped control and a program identifier of code to provide functionality of the wrapped control.

16. (Cancelled)

17. (Cancelled)

18. (Currently Amended) A method for providing a user interface comprising the steps of:

   generating a user interface from a UI view definition, wherein the UI view definition specifies a layout of a plurality of panels in the user interface ~~wherein the generating step includes creating a wrapper for generating a wrapped control as part of the user interface, the wrapped control having a communication interface to dynamically communicate with the UI manager~~; and

   dynamically editing, at run-time, the user interface using the UI view definition to change the user interface,

   wherein user interface comprises [[a]] the plurality of panels,

   wherein each of the plurality of panels comprises a wrapped control,

   ~~wherein the wrapped control is instantiated in the panel,~~

   wherein [[the]] each wrapped control comprises a control and a wrapper,

   wherein [[the]] each wrapper provides an interface between the control and the UI view manager,

   ~~wherein the UI view manager is configured to send a message to the control,~~

   ~~wherein the control is configured to receive the message,~~

   wherein [[the]] each control [[is]] comprises an application,

   wherein each application generates a graphical output; and

   wherein the output of each control is displayed, using the UI view manager, in the one of the plurality of panels in which the control is located.

19. (Previously Presented) The method of claim 18 further comprising: dynamically at run-time adding a new wrapped control to the user interface.

20. (Currently Amended) The method of claim 18 further comprising: dynamically at run-time changing a function of at least one of the wrapped controls.

21. (Currently Amended) The method of claim 18 further comprising: dynamically at run-time removing ~~an existing~~ one of the wrapped control~~s~~ from the user interface.

22. (Cancelled)

23. (Cancelled)

24. (Currently Amended) The method of claim 18 wherein ~~creating a~~ at least one of the wrapper~~s~~ ~~comprises:~~ implementing at least one function of a control interface.

25. (Currently Amended) The method of claim 24 wherein the at least one function is selected from a group consisting of ~~the set~~ a first function to cause at least one of the control~~s~~ to read its internal data, a second function to cause at least one of the control~~s~~ to load a property of at least one of the control~~s~~ from the UI view definition, a third function to save a property of at least one of the control~~s~~ to the UI view definition, a fourth function to return a license key for at least one of the control~~s~~, a fifth function to initialize a property of at least one of the control~~s~~, and a sixth function to receive a notification about a user interface event.

26. (Currently Amended) The method of claim 18 further comprising: generating a UI view manager by implementing at least one function of an UI view interface the function selected from the set a first function returning a table of references to business objects, a second function returning a parameter to provide scope of access to at least one of the control~~s~~ of the user interface, a third function to register at least one of the control~~s~~ for providing alarm information to at least one of the control~~s~~, a fourth function to deregister at least one of the control~~s~~ to terminate providing alarm information to at least one the control, a fifth function to create a panel for housing at least one of the control~~s~~, a sixth function to create a panel for adding at least one of the controls to [[a]] one of the plurality of panel~~s~~, a seventh function to remove one of the plurality of panel~~s~~ from the user interface, an eight function to remove [[a]] at least one of the control~~s~~ from [[a]] one of the plurality of panel~~s~~, a ninth function to activate or deactivate [[a]] at least one of the control~~s~~, and a tenth function to display a text message of at least one of the control~~s~~ on a status message panel.

27. (Currently Amended) A computer system for dynamically generating a user interface
comprising:

a processor;

a display screen, coupled to said processor;

computer readable medium coupled to said processor; and

computer code, encoded in said computer readable medium, configured to:

generate a user interface from a UI view definition, wherein the UI view definition
specifies a layout of a plurality of panels in the user interface wherein the
generating step includes creating a wrapper for generating a wrapped control as
part of the user interface, the wrapped control having a communication interface
to dynamically communicate with the UI manager; and

dynamically edit, at run-time, the user interface using the UI view definition to change
the user interface,

wherein user interface comprises [[a]] the plurality of panels,

wherein each of the plurality of panels comprises a wrapped control,

wherein the wrapped control is instantiated in the panel,

wherein [[the]] each wrapped control comprises a control and a wrapper,

wherein [[the]] each wrapper provides an interface between the control and the UI view
manager,

wherein the UI view manager is configured to send a message to the control,

wherein the control is configured to receive the message,

wherein [[the]] each control [[is]] comprises an application,

wherein each application generates a graphical output; and

wherein the output of each control is displayed, using the UI view manager, in the one of
the plurality of panels in which the control is located.

28. (Previously Presented) The computer system of claim 27 wherein said processor is further
configured to dynamically add at run-time a new wrapped control to the user interface.

29. (Currently Amended) The computer system of claim 27 wherein said processor is further configured to dynamically change at run-time a function of <u>at least one of </u>the wrapped control<u>s</u>.

30. (Previously Presented) The computer system of claim 27 wherein said processor is further configured to dynamically remove at run-time ~~an existing~~ <u>one of the </u>wrapped control<u>s</u> from the user interface.

31. (Cancelled)

32. (Cancelled)

33. (Currently Amended) A computer-readable medium having stored thereon a program which is executable by a processor, the program comprising instructions for:

dynamically generating, at run-time, a user interface from a UI view definition<u>, wherein the UI view definition specifies a layout of a plurality of panels in the user interface</u>~~, wherein the generating instructions include using instructions for using a wrapper to generate a wrapped control as part of the user interface~~; and

dynamically editing, at run-time, the user interface using the UI view definition to change the user interface,

wherein user interface comprises [[a]] <u>the plurality of </u>panel<u>s</u>,

<u>wherein each of the plurality of panels comprises a wrapped control,</u>

~~wherein the wrapped control is instantiated in the panel,~~

wherein [[the]] <u>each </u>wrapped control comprises a control and a wrapper,

wherein [[the]] <u>each </u>wrapper provides an interface between the control and the UI view manager,

~~wherein the UI view manager is configured to send a notification to the control,~~

~~wherein the control is configured to receive the notification,~~

wherein [[the]] <u>each </u>control [[is]] <u>comprises </u>an application,

<u>wherein each application generates a graphical output; </u>and

wherein <u>the </u>out<u>put</u> of <u>each </u>control is displayed<u>, using the UI view manager, </u>in the <u>one of the plurality of </u>panel<u>s</u> <u>in which the control is located.</u>

34. (Previously Presented) The computer-readable medium of claim 33 further comprising instructions for: dynamically adding at run-time a new wrapped control to the user interface.

35. (Currently Amended) The computer-readable medium of claim 33 further comprising: instructions for dynamically changing at run-time a function of <u>at least one of</u> the wrapped control<u>s</u>.

36. (Currently Amended) The computer-readable medium of claim 33 further comprising instructions for dynamically removing at run-time ~~an existing~~ <u>one of the</u> wrapped control<u>s</u> from the user interface.

37. (Cancelled)

38. (Cancelled)

39. (Currently Amended) An apparatus dynamically modifying a user interface comprising:

> generating means for dynamically generating at run-time a user interface from a UI view definition<u>, wherein the UI view definition specifies a layout of a plurality of panels in the user interface</u>~~, wherein the generating means includes using means for using a wrapper for generating a wrapped control as part of the user interface~~;

> adding means for dynamically adding, at run-time, a new wrapper control to the user interface;

> changing means for dynamically changing, at run-time, a function of <u>at least one of</u> the wrapped control<u>s</u>; and

> removing means for dynamically removing, at run-time, ~~an existing~~ <u>one of the</u> wrapped control<u>s</u> from the user interface,

> wherein user interface comprises [[a]] <u>the plurality of</u> panel<u>s</u>,

> <u>wherein each of the plurality of panels comprises a wrapped control,</u>

> ~~wherein the wrapped control is instantiated in the panel,~~

> wherein [[the]] <u>each</u> wrapped control comprises a control and a wrapper,

> wherein [[the]] <u>each</u> wrapper provides an interface between the control and the UI view manager,

~~wherein the UI view manager is configured to send a message to the control,~~

~~wherein the control is configured to receive the message,~~

wherein [[the]] each control [[is]] comprises an application,

wherein each application generates a graphical output; and

wherein the output of each control is displayed, using the UI view manager, in the one of

the plurality of panels in which the control is located.

40. (Cancelled) – 48. (Cancelled)